

**Features**

- Smooth passageways provide low friction radial water flow.
- Noryl® impeller-diffuser assemblies are encased in a corrosion resistant stainless steel shell.
- Pump and motor assembly are corrosion resistant.
- Efficient operation in either horizontal or vertical position.
- Impeller-diffuser assemblies are mounted on a 16-spline steel shaft for positive drive.
- A top bearing is provided in the cast-iron discharge head for better shaft alignment.
- Replaceable journals protect shafts at bearings. Multi-stage construction permits modular or individual part replacements.
- Noryl®-staged components (impellers/diffusers) are permanently bonded by a reliable, foolproof, ultrasonic welding technique.
- Powered by CentriPro®. Motors are compatible with any competitive pump end of comparable horsepower.

Big-Flo submersible pump/motor units are designed for industrial 6 inch pumping applications with pump capacities up to 300 GPM for varying well depths.

 **REDJACKET SERIES****BIG-FLO®****6" Submersibles**

"LB" SERIES PUMPS - 55 GPM - 6"

PERFORMANCE

The pump and motor of the "LB" Series are most efficient at 55 GPM. This should be considered when selecting the desired model. The correct model can be selected from either the performance table or the graph on these pages. Performances shown do not include drop pipe friction.

"LB" SERIES, 55 GPM, PERFORMANCE TABLE (Recommended Operating Ranges)

Depth to Water Level in Feet	Capacity in Gallons per Minute Against Discharge Pressures Shown																								
	0 PSI					20 PSI					40 PSI					60 PSI									
	Pump No.	2LB	3LB	5LB	8LB	10LB	15LB	20LB	25LB	2LB	3LB	5LB	8LB	10LB	15LB	20LB	25LB	2LB	3LB	5LB	8LB	10LB	15LB	20LB	25LB
40	HP	2	3	5	7½	10	15	20	25	2	3	5	7½	10	15	20	25	2	3	5	7½	10	15	20	25
40										59	75								59	77					
80		63	77	89						61	78								36	70					
120		24	63	80						41	71									60	78				
160			46	72							61	79								49	73				
200				63	79						51	74								29	68	78			
240				52	75						35	69	78								61	74			
280				39	70	79						62	75								54	70	80		
320					63	75						55	71								46	65	78		
360					56	72						47	66	79							34	59	76		
400					48	67	79					36	60	77								52	74	81	
440					39	61	77						53	75								45	72	79	
480						54	75						46	72	79							36	69	77	
520						47	73	79					38	70	78								66	75	
560						39	70	78					24	66	76								62	74	
600						27	67	76						62	74								57	72	
640							63	74						58	72								53	70	80
680							59	72						54	70	80							49	67	79
720							55	70	80					50	68	79							45	65	78
760							50	68	79					46	65	78							41	62	77
800							46	66	79					42	62	77							35	59	76
840							42	63	78					36	59	76							25	55	75
880							37	60	76					27	56	75								52	73
920							29	56	75						53	73								49	71
960								53	74						50	71								46	69
1000								50	72						46	69								43	66
1040							47	70							43	67								39	64
1080							44	67							39	64								33	61
1120							40	65							34	61								26	58
1160							35	62							27	59									55
1200							28	59								56									53
1300								52								49									46
1400								45								41									36
1500								34								26									

"LB" SERIES, 55 GPM, SPECIFICATIONS

Water End	Required HP	No. of Stages	Pump Length	Pump Weight
2LB6-4	2 (4")	2	17"	24
3LB6-4	3 (4")	3	19"	35
5LB6-4	5 (4")	5	23"	40
8LB6	7½	8	29"	46
10LB6	10	10	32"	50
15LB6	15	15	42"	59
20LB6	20	20	52"	70
25LB6	25	25	70"	85

Notes:

All "LB" Series pumps have 5¾" maximum "O.D."

All "LB" Series pumps have discharge head tapped 3" NPT.

Important:

Check valve not furnished.

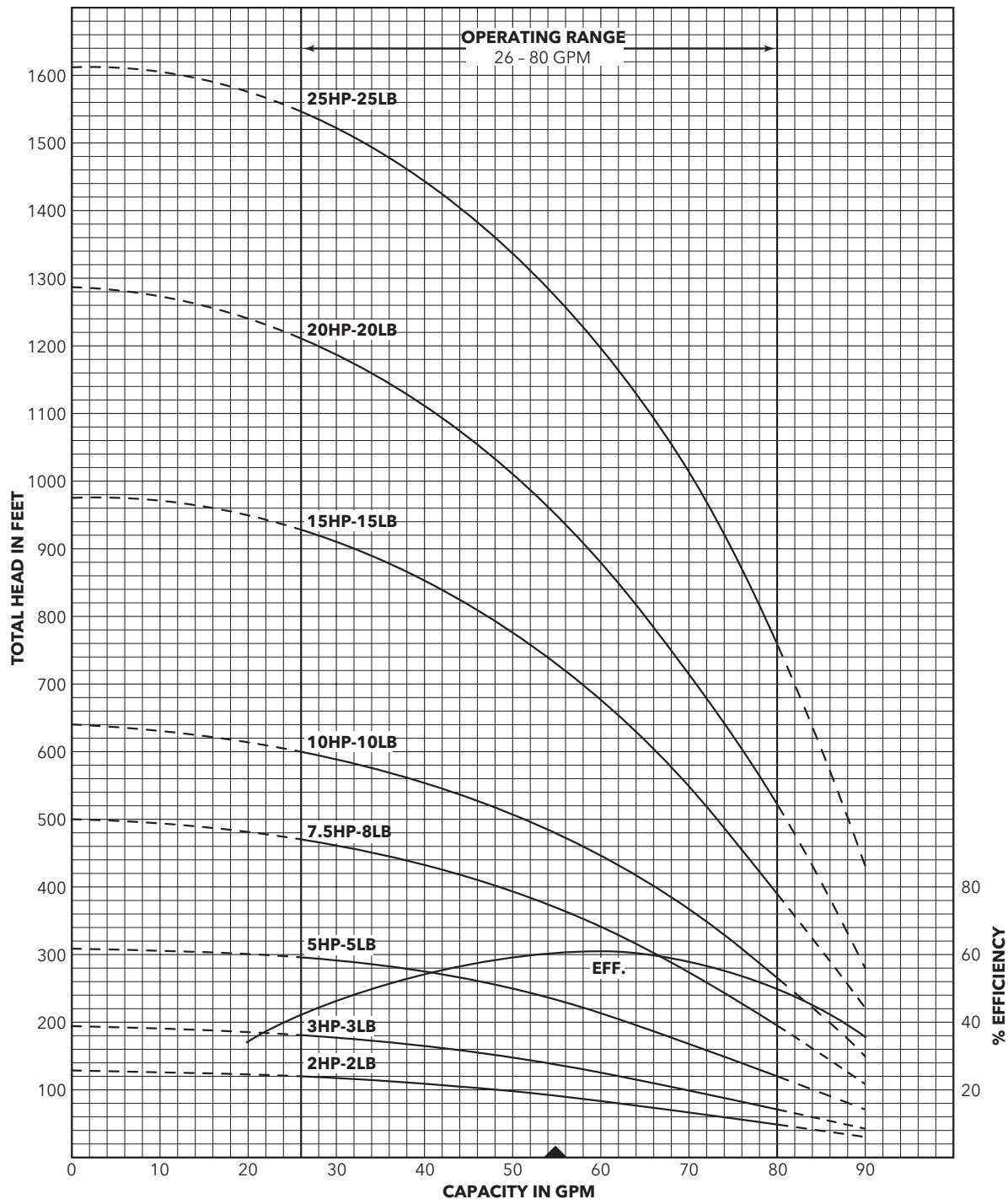
Minimum Well Size:
6" I.D.

AGENCY LISTINGS



NSF/ANSI 372 - Drinking Water System Components - Lead Content

CLASS 6853 01 - Low Lead Content Certification Program - Plumbing Products

"LB" SERIES PUMPS - 55 GPM - 6"**▲ Rated Flow at Best Efficiency**

"LB" Series, 55 GPM, RPM 3450

Guaranteed as minimum performance only if certified.

Minimum Well Size: 6" I.D.

Note: Continuous operation outside operating range will void warranty.

"MB" SERIES PUMPS - 85 GPM - 6"

PERFORMANCE

The pump and motor of the "MB" Series are most efficient at 85 GPM. This should be considered when selecting the desired model. Performances shown do not include drop pipe friction.

"MB" SERIES, 85 GPM, PERFORMANCE TABLE (Recommended Operating Ranges)

Depth to Water Level in Feet	Capacity in Gallons per Minute Against Discharge Pressures Shown																													
	Pump No.	0 PSI							20 PSI							40 PSI							60 PSI							
		4MB	6MB	8MB	12MB	16MB	20MB	24MB	4MB	6MB	8MB	12MB	16MB	20MB	24MB	4MB	6MB	8MB	12MB	16MB	20MB	24MB	4MB	6MB	8MB	12MB	16MB	20MB	24MB	
		HP	5	7½	10	15	20	25	30	5	7½	10	15	20	25	30	5	7½	10	15	20	25	30	5	7½	10	15	20	25	30
40								112								91							64	106	68					
80	113							96								69	108							95	110					
120	98							74	110								97	111						82	107					
160	78	111						40	99	112							86	104						64	94	111				
200	48	101	113						88	106							68	96							83	106	116			
240		89	106						71	97	113						41	86	108						70	102	112			
280		74	98	114					47	87	108							73	103	113					52	96	109			
320		50	88	109						76	103	114						57	97	112						90	105	114		
360			77	104	114					60	98	110							92	106						84	101	112		
400			62	99	110						92	107							78	102						76	97	109		
440			40	93	107						86	103	113					69	98	110						67	92	107	112	
480				87	103	113					79	99	110						58	94	107	113				55	87	104	110	
520				80	99	111					70	95	108	114					40	89	105	111					82	101	108	
560				72	95	108	114				60	90	106	112						83	102	108					76	98	106	
600				61	90	105	111				46	89	102	109						78	98	106					70	95	103	
640				49	85	102	109					84	99	107						72	96	104					63	92	101	
680					80	100	107					72	96	104						65	92	101					54	88	98	
720					78	96	104					66	93	102						57	89	99					43	84	96	
760					67	93	102					58	89	99						47	84	96						79	93	
800					59	90	100					48	86	97							80	94						68	90	
840					49	86	97						81	94							75	91						61	88	
880						82	95						76	92							70	89						53	85	
920						78	93						71	89							62	86						40	82	
960						71	89						64	86							54	83							78	
1000						65	86						56	84							42	79							74	
1040						57	84						45	80								75							68	
1080						46	80							75								70							62	
1180							69							61								52								
1280							50							40																

"MB" SERIES, 85 GPM, SPECIFICATIONS

Water End	Required HP	No. of Stages	Pump Length	Pump Weight
4MB6-4	5 (4")	4	21"	28
6MB6	7½	6	25"	32
8MB6	10	8	29"	36
12MB6	15	12	37"	44
16MB6	20	16	45"	52
20MB6	25	20	60"	75
24MB6	30	24	68"	80

Notes:

All "MB" Series pumps have 5¾" maximum "O.D."

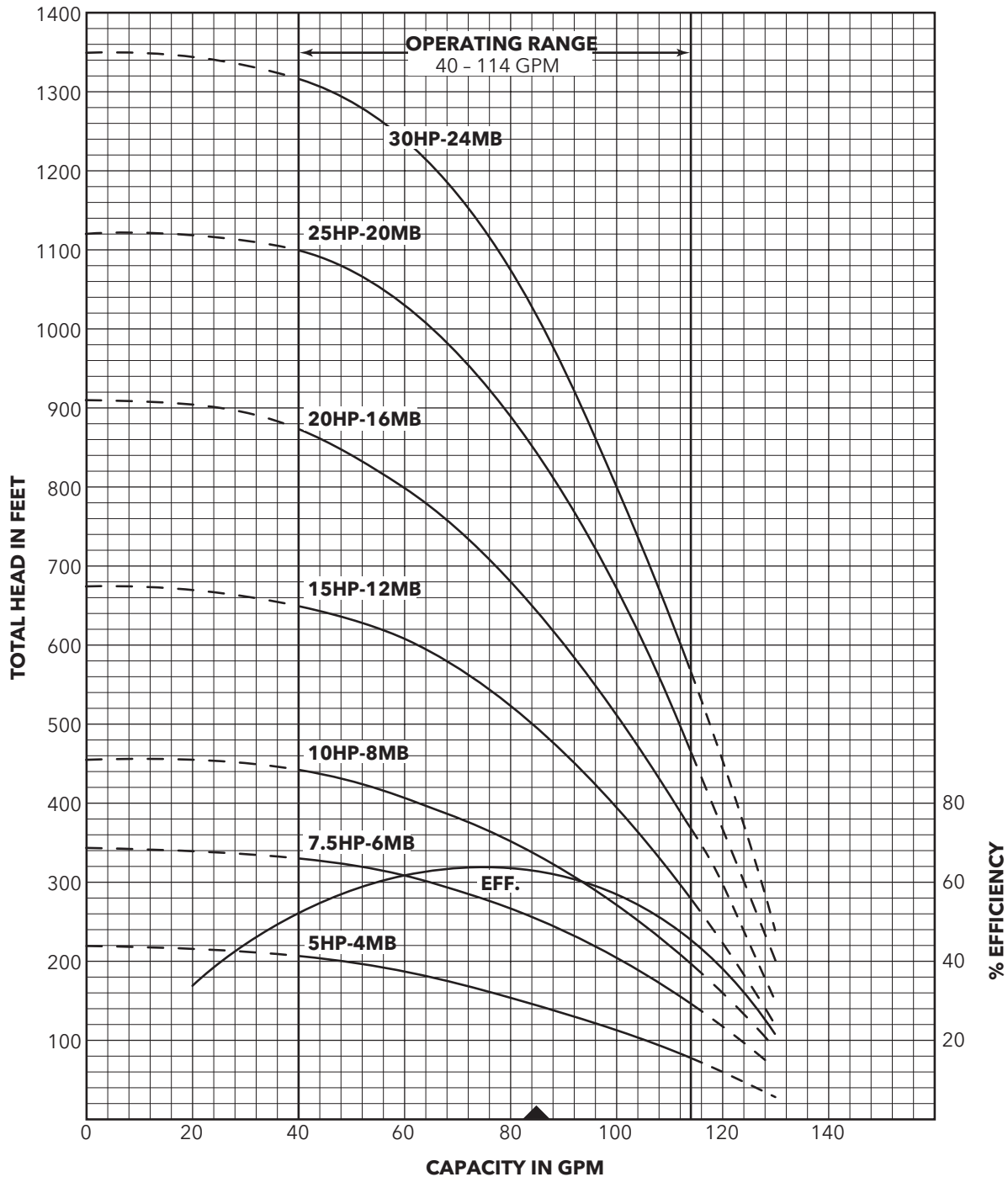
All "MB" Series pumps have discharge head tapped 3" NPT.

Important:

Check valve not furnished.

Minimum Well Size:
6" I.D.

"MB" SERIES PUMPS - 85 GPM - 6"



▲ Rated Flow at Best Efficiency

"MB" Series, 85 GPM, RPM 3450

Guaranteed as minimum performance only if certified.

Minimum Well Size: 6" I.D.

Note: Continuous operation outside operating range will void warranty.

"HB" SERIES PUMPS - 140 GPM - 6"

PERFORMANCE

The pump and motor of the "HB" Series are most efficient at 140 GPM. This should be considered when selecting the desired model. Performances shown do not include drop pipe friction.

"HB" SERIES, 140 GPM, PERFORMANCE TABLE (Recommended Operating Ranges)

Depth to Water Level in Feet	Capacity in Gallons per Minute Against Discharge Pressures Shown																																				
	Pump No.	0 PSI								20 PSI								40 PSI								60 PSI											
		2HB	3HB	4HB	6HB	8HB	10HB	12HB	16HB	20HB	2HB	3HB	4HB	6HB	8HB	10HB	12HB	16HB	20HB	2HB	3HB	4HB	6HB	8HB	10HB	12HB	16HB	20HB	2HB	3HB	4HB	6HB	8HB	10HB	12HB	16HB	20HB
HP	5	7½	10	15	20	25	30	40	50	5	7½	10	15	20	25	30	40	50	5	7½	10	15	20	25	30	40	50	5	7½	10	15	20	25	30	40	50	
40										166									66	165	188								102	155							
80	170									90	172	190								119	161									120	180						
120	120	170									130	168									128	183								73	163	184					
160		140	170								60	136	180								97	171	190								142	173					
200		90	140	190								94	170	190								147	175								117	160	183				
240			100	173	190								152	177								122	162	185							83	146	173	184			
280				135	178								128	164	188							91	149	175	186							130	162	177			
320				130	168	190						98	152	178	188								132	164	178							110	152	169			
360				103	154	178	190					60	136	167	180							115	153	170							84	140	161	187			
400				65	136	168	180							118	156	172						90	142	162	188								127	152	182		
440					120	158	173						96	145	164	190						61	130	153	182							112	143	176			
480					95	146	165	190					68	132	155	184							115	144	176							94	132	170	190		
520					72	134	156	185						118	146	178							97	134	171	190						70	120	164	186		
560						120	148	178							100	136	172						74	122	165	186							106	157	181		
600						102	138	173							80	125	166	187							109	158	182						90	150	176		
640						82	126	169	191						111	160	183								93	152	177						70	144	172		
680						60	114	161	183						97	153	178								75	145	172							137	167		
720							98	154	179						79	147	173									138	168							128	162		
760							80	148	174						63	140	169									130	162							119	156		
800							60	142	169							132	164									120	157							107	150		
840								133	164							123	158									110	152							96	145		
880								124	159							113	153									96	145							76	133		
920								114	154							100	147									85	138							68	128		
960								102	148							88	140									70	130								120		
1000								90	141							73	132										122								110		
1100								76	120								110										97								84		
1200								60	96								83										68										
1300									72																												

"HB" SERIES, 140 GPM, SPECIFICATIONS

Water End	Required HP	No. of Stages	Pump Length	Pump Weight
2HB6-4	5 (4")	2	19"	26
3HB6	7½	3	22"	35
4HB6	10	4	25"	36
6HB6	15	6	31"	44
8HB6	20	8	37"	57
10HB6	25	10	43"	60
12HB6	30	12	48"	66
16HB6	40	16	70"	80
20HB6	50	20	82"	92

Notes:

All "HB" Series pumps have 5¾" maximum "O.D."

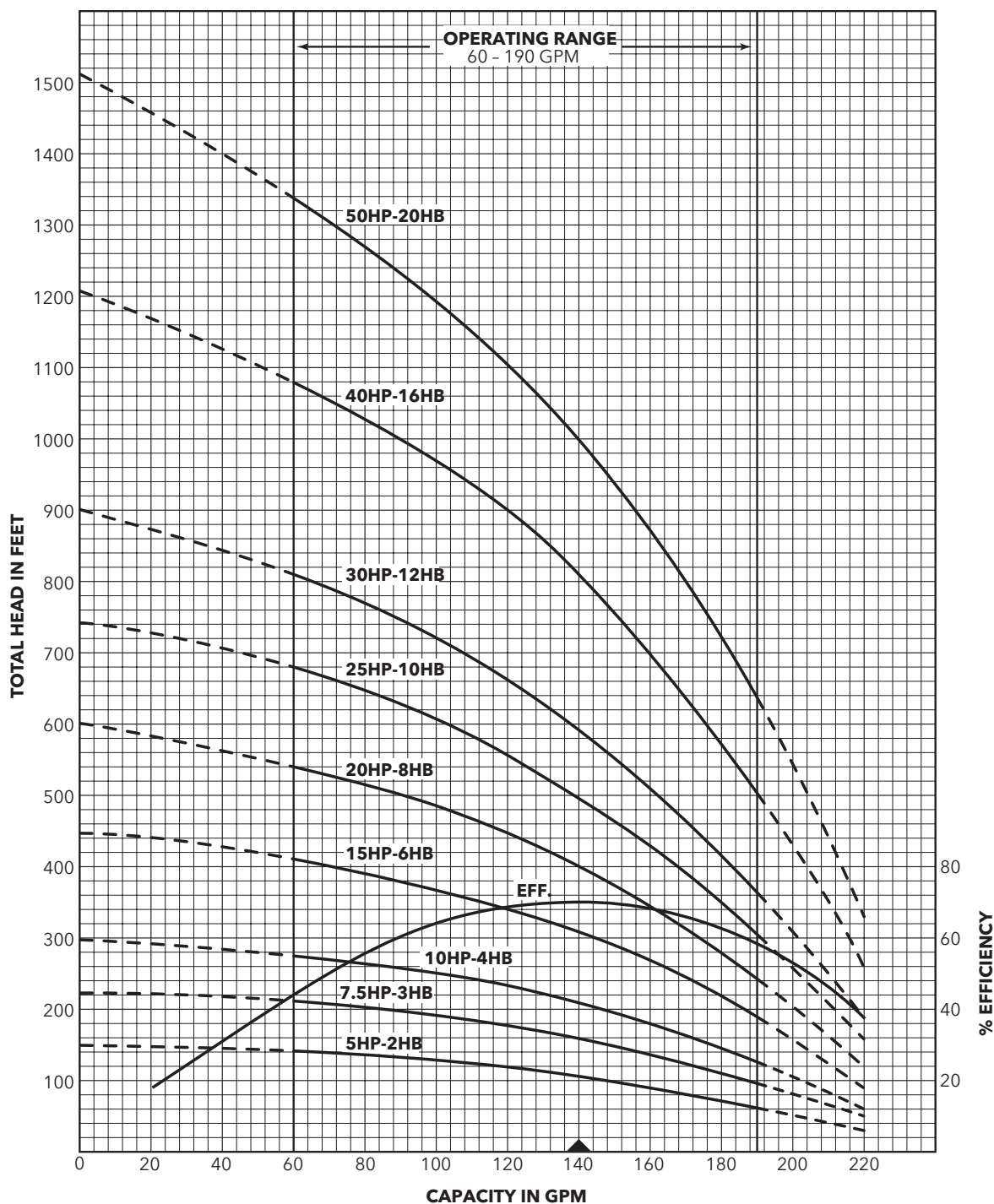
All "HB" Series pumps have discharge head tapped 3" NPT.

Important:

Check valve not furnished.

Minimum Well Size:

6" I.D.

"HB" SERIES PUMPS - 140 GPM - 6"**▲ Rated Flow at Best Efficiency**

"HB" Series, 140 GPM, RPM 3450

Guaranteed as minimum performance only if certified.

Minimum Well Size: 6" I.D.

Note: Continuous operation outside operating range will void warranty.

"PB" SERIES PUMPS - 225 GPM - 6"

PERFORMANCE

The pump and motor of the "PB" Series are most efficient at 225 GPM. This should be considered when selecting the desired model. Performances shown do not include drop pipe friction.

"PB" SERIES, 225 GPM, PERFORMANCE TABLE *(Recommended Operating Ranges)*

		Capacity in Gallons per Minute Against Discharge Pressures Shown																																
Depth to Water Level in Feet	Pump No.	0 PSI								20 PSI								40 PSI								60 PSI								
	HP	1PB	2PB	3PB	4PB	5PB	6PB	8PB	10PB	1PB	2PB	3PB	4PB	5PB	6PB	8PB	10PB	1PB	2PB	3PB	4PB	5PB	6PB	8PB	10PB	1PB	2PB	3PB	4PB	5PB	6PB	8PB	10PB	
	40	270									285								175	290								240	290					
	80	100	295								200	295								240	285							175	255	295				
	120		260	300								250	295							175	255	295								215	270	290		
	160			260	300							180	260	295							220	260	290						150	240	260			
	200			200	265								225	275	295						150	240	260	295						200	250	290		
	240				230	288	295						170	240	275							200	250	285						150	225	275		
	280				175	258	275							210	255	295						150	225	275								190	260	295
	320					215	265	295						165	230	280							190	260							125	245	285	
	360					170	235	280							200	265	300						120	245									225	275
400						200	265	300						145	250	290							235									200	260	
440						150	250	290								230	280							210								170	245	
480							230	275								205	265							185								120	230	
520							210	265								180	250							160									210	
560								180	250							135	235							110									185	
600							140	235									215																155	
640								215									190																110	
680								195									165																	
720								165									125																	
760								130																										

"PB" SERIES, 225 GPM, SPECIFICATIONS

Water End	Required HP	No. of Stages	Pump Length	Pump Weight
1PB6-4	5 (4")	1	14.8"	22
2PB6	10	2	19.1"	33
3PB6	15	3	23.4"	38
4PB6	20	4	27.8"	44
5PB6	25	5	32.1"	48
6PB6	30	6	36.4"	57
10PB6	50	10	53.6"	77

Notes:

All "PB" Series pumps have 5/8" maximum "O.D."

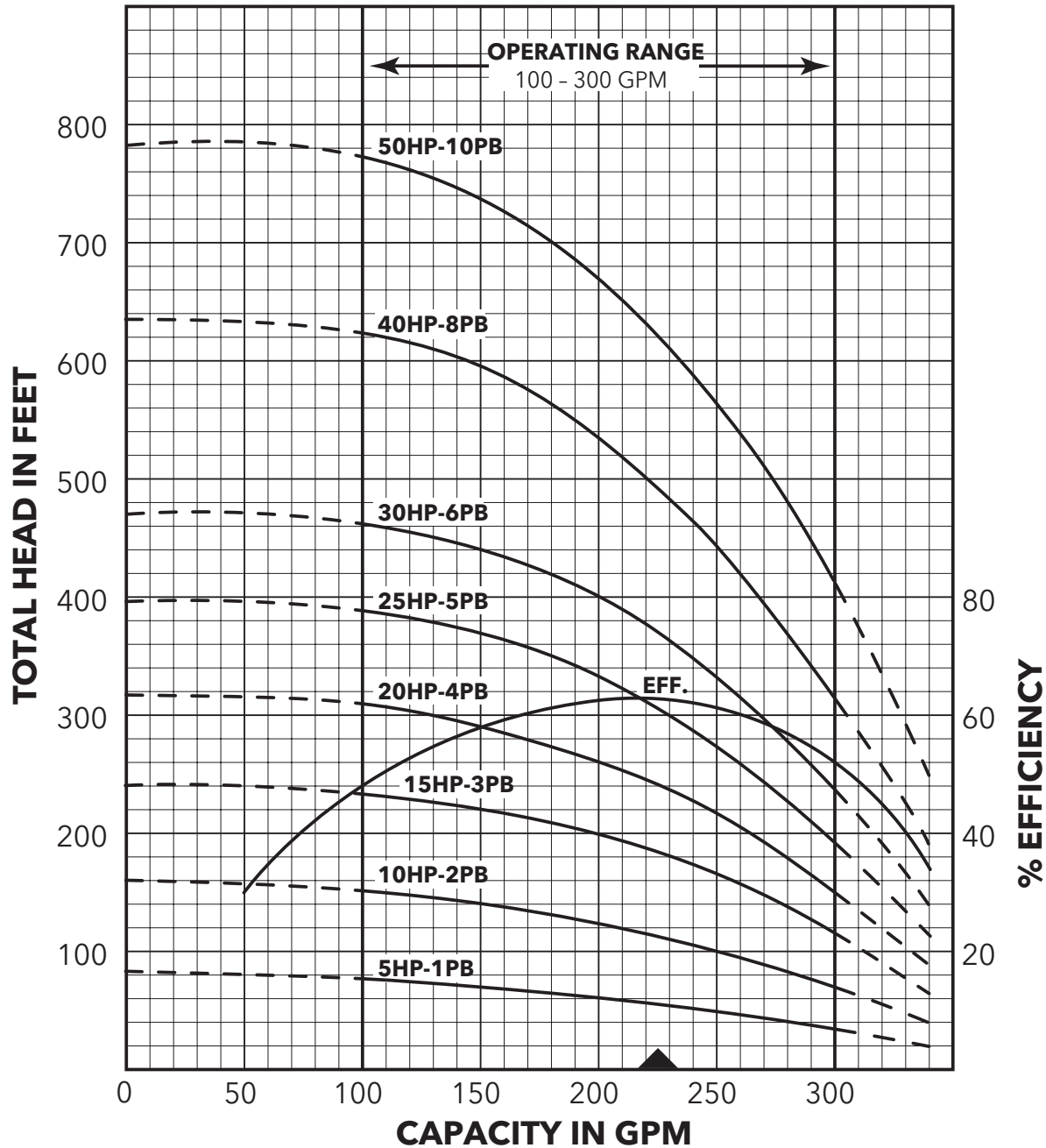
All "PB" Series pumps have discharge head tapped 3" NPT.

Important:

Check valve not furnished.

Minimum Well Size:

6" I.D.

"PB" SERIES PUMPS - 225 GPM - 6"**▲ Rated Flow at Best Efficiency**

"PB" Series, 225 GPM, RPM 3450

Guaranteed as minimum performance only if certified.

Minimum Well Size: 6" I.D.

Note: Continuous operation outside operating range will void warranty.

6" BIG-FLO MOTOR CHART

CentriPro Single Phase Motors - Dimensions and Weights

Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
M20412	2	4"	230	15.1	31
M30412	3			18.3	40
M50412	5			27.7	70
6M071	7.5	6"	230	29.9	128
6M101	10				
6M151	15			33.5	148

CentriPro Three Phase Motors - Dimensions and Weights

Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
M20432	2	4"	230	13.8	28
M30432	3			15.3	32
M50432	5			21.7	55
M20434	2		460	13.8	28
M30434	3			15.3	32
M50434	5			21.7	55
6M078	7.5	6"	200	24.8	99
6M072			230		
6M074			460		
6M108	10		200	27.0	110
6M102			230		
6M104			460		
6M158	15		200	29.9	128
6M152			230		
6M154			460		
6M208	20		200	31.5	137
6M202			230		
6M204			460		
6M258	25		200	36.2	161
6M252			230		
6M254			460		
6M308	30		200	38.2	176
6M302			230		
6M304			460		
6M404	40		460	40.6	187
66M504	50		460	41.7	198

TYPICAL COMPONENTS - 6" SUBMERSIBLE

HB/LB/MB/PB Pumps - 55 through 225 GPM



Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services, and agricultural settings. With its October 2016 acquisition of Sensus, Xylem added smart metering, network technologies and advanced data analytics for water, gas and electric utilities to its portfolio of solutions. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xyleminc.com



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